SIVABALAN.R

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Career Objective:

To acquire a position in a value driven organization, to enhance my knowledge and contribute to the best of my abilities towards the growth of organization.

Career summary:

➢ **Mechanical engineer with overall 4.5 years of professional experience in Creo 3.0**

➢ 2.5 years of experience in Vehicle integration team (Research & Development) **in Tractors & Farm equipment's Ltd, Chennai.**

➢ Knowledge and practical experience in Vehicle packaging, Tolerance & dimensioning, New product Introduction process, BOM preparation, ECM activities.

Professional experience:

1. Tractors and Farm Equipment, Ltd - Project assignee (R&D) (Oct'2017 to Apr'2020)

   Projects handled   : MF 7250-2WD, MF 7250-4WD, MF241-2WD, TAFE 241, TAFE 7250,7242,7238**.**

Key Result Areas:

➢ 2D Part & Installation drawing creation & release for New product/CI projects through ECM Process.

➢ Perform Tolerance stack up and preparation of detailed drawing with GD&T.

➢ Carry out Ergonomic analysis in 3D layout for operator controls as per design standards.

➢ Perform FEA simulation for newly designed components as per test standard.

➢ Develop innovative concepts understanding customer requirement, Manufacturing feasibility, Cost & Quality.

➢ Carryout preliminary calculations for assessing stress levels, geometrical and strength requirements for newly designed components.

➢ Carry out DFMEA for identified aggregates or approved concepts

➢ Co-ordinate and interact with vendors in developing component as per drawing/ design requirement.

➢ Co-ordinate with Proto shop & Testing for Alpha build & Alpha validation as part on concept evaluation.

➢ Creation of 3D model by Reverse Engineering process.

➢ Implement design changes for regular running models through ECM process by updating relevant drawings and carrying out evaluation trials in plant.

➢ Prepare Bill of materials (BOM) for integrating new product into SAP module.

2.Tanzindo engineering pvt ltd - Design Engineer (Dec'2015 to Oct'2017 **)**

Key Result Areas:

➢ Model and design tools as per components

- ➢ Prepare detail drawings and Create SOP document for mould.
- ➢ Participate in new product development programs review for designs for manufacturability & Assembly.
- ➢ To make a quotation for new development projects.
- ➢ Follow up the machining process and participate in tool assembly.

Professional achievements:

- • Significant contribution in delivery of 17 New product delivery in 90 days timeline. (2017-2018)

Software proficiency:

- ➢ Modeling software   Advanced level   Creo 3.0
- ➢ Analyzing software   Intermediate level   Creo3.0, Ansys (workbench)

  Mechanism Software   Intermediate level   Creo 3.0
- ➢ PLM & ERP software   Advanced level   Wind-chill & SAP
- ➢ Stack up Analysis   Intermediate level   Sigmend-Pro
- ➢ Microsoft packages   Advanced level   Word, Excel & Power point

Education Profile:

S.No	Graduation	Institution	Year of Passing	Percentage
1.	B.E. Mechanical Engineering	KPR Institute of Engineering and Technology	2015	**73.50**
2.	HSC	Sirumalar higher secondary school	2011	**87.2**
3.	SSLC	Sirumalar higher secondary school	2009	**88**

Personal profile:

    Name   **:** R.Sivabalan
    Father's Name   **:** K.Rengasamy
    Date of Birth   **:** 03-06-1994
    Languages known   **:** Tamil, English.
    Address   : E4, Anandhi flat, Pillayarkovil street, Jafferkhanpet, Chennai-600083

Declaration:

    I hereby declare that the information furnished above is true to best of my knowledge.

Place:

Date: (R.SIVABALAN)